

ABSTRACT

A tire pressure monitoring and reporting instrument is mounted within a valve stem and has a valve cap. A single circuit can be provided having an LED, a sounder, a battery and a switch. A dual stage system, or a continuously variable system can be implemented by using a dual stage pressure switch or a continuously variable pressure switch. The battery may be housed within the cap and electrical contacts between the cap and stem allow discontinuation of the circuit or changing of the battery.

CALL OUT LIST OF ELEMENTS

- 10 Moving Part
- 14 Test Switch
- 5 16 Stem Cover
- 20 Valve
- 24 Leaf Spring Switch Contact
- 26 Air Passage
- 28 Leaf Spring Switch
- 10 30 Battery
- 32 Power Battery in Stem
- 40 Cap Speaker
- 42 Stem Speaker
- 48 LED
- 15 50 Tire Wall
- 60 Circuit Interface Connection
- 80 Cap
- 84 Top Surface Contact
- 86 Side Surface contact
- 20 90 Valve Stem Outside
- 92 Valve Stem Inside
- 95 Transmitter

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